

meross MMW120KITUK

meross WiFi Mesh System MMW120KITUK User Manual

Model: MMW120KITUK

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your meross MMW120KITUK WiFi Mesh System. This system is designed to provide stable, wide, and fast wireless internet coverage throughout your home or office.



Image 1.1: meross MMW120KITUK WiFi Mesh System and packaging.

2. WHAT'S IN THE BOX

The meross MMW120KITUK WiFi Mesh System includes the following components:

- 2 x meross Mesh Routers (MMW120 units)
- 2 x Power Adapters
- 1 x Ethernet Cable
- Quick Installation Guide



Image 2.1: Front view of the meross MMW120KITUK packaging, showing the two mesh units.

3. SETUP INSTRUCTIONS

Follow these steps to set up your meross WiFi Mesh System:

1. **Power On the First Mesh Router:** Connect one of the meross mesh routers to a power outlet using the provided power adapter. Wait for the unit to power on.
2. **Connect to Your Modem:** Connect the LAN port of your existing modem or internet router to any Ethernet port (WAN/LAN auto-sensing) on the first meross mesh router using the provided Ethernet cable. Wait approximately 2 minutes for the router to initialize.
3. **Access Router Configuration:** Open a web browser on a device connected to the meross network (either via Wi-Fi or Ethernet) and navigate to 192.168.58.1 to configure the first router. Follow the on-screen instructions to set up your Wi-Fi network name (SSID) and password.
4. **Power On the Second Mesh Router:** Place the second meross mesh router in a suitable location within the coverage area of the first router. Connect it to a power outlet.
5. **Automatic Pairing:** The second router will automatically pair with the first router. This process typically takes about 2 minutes. The LED indicator on the second router will turn solid blue once pairing is complete and a stable connection is established.

I Automatic Pairing



Step 1: Power on the 1st mesh router.



Step 2: Connect LAN port of the modem to an ethernet port of the mesh router, and wait for 2 mins. Set the 1st router by logging in 192.168.58.1.



Step 3: Power on the 2nd router and wait for 2min. Pairing will complete automatically when LED turns solid blue.

Image 3.1: Step-by-step guide for automatic pairing of meross mesh routers.

I WAN/LAN Auto Sensing

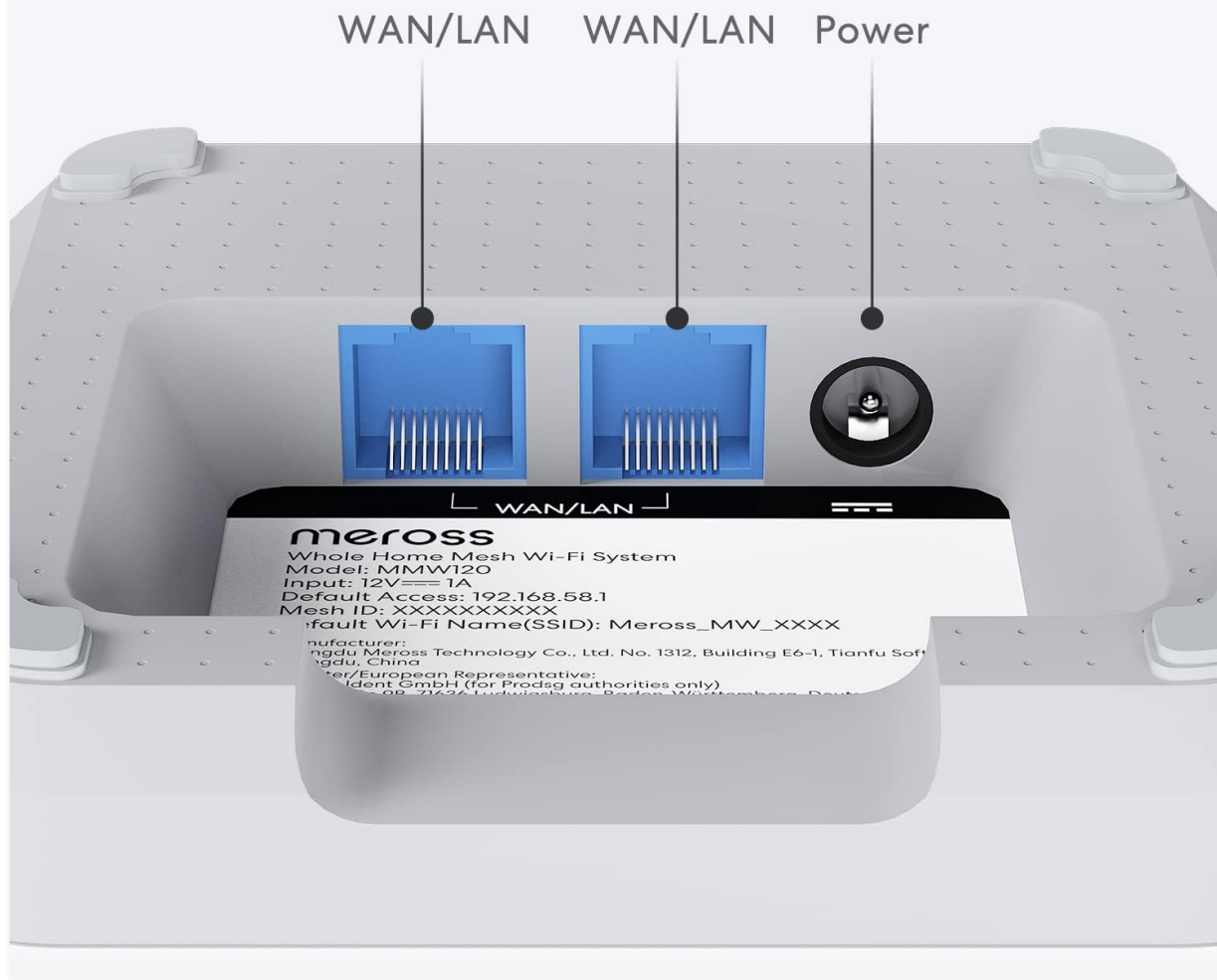


Image 3.2: Detail of the WAN/LAN auto-sensing ports and power input on a meross mesh unit.

4. OPERATING YOUR MESH SYSTEM

4.1 Whole Home Coverage

The meross MMW120KITUK system provides extensive Wi-Fi coverage up to 300 m². The mesh technology ensures a stable and wide signal throughout your property, eliminating dead zones.

I Coverse Up to 300m²

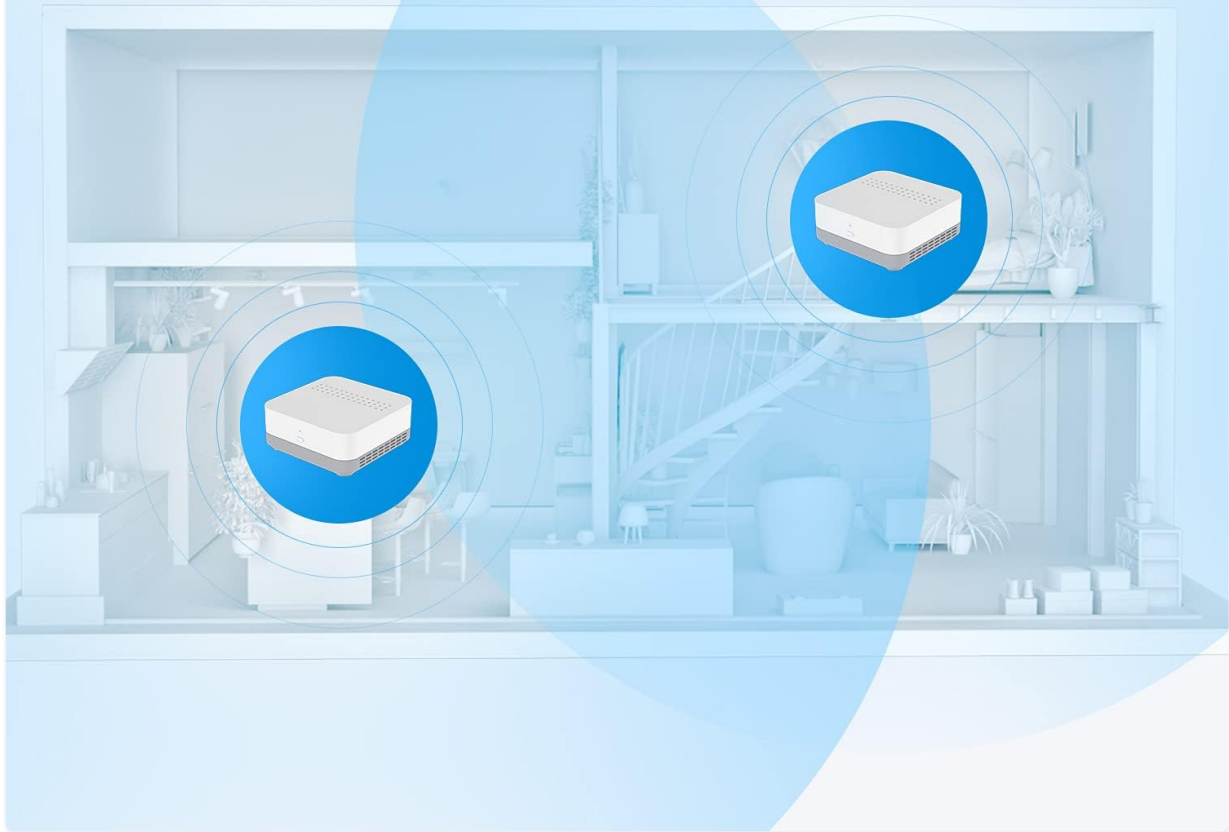


Image 4.1: Visual representation of Wi-Fi coverage provided by two mesh units in a multi-story home.

4.2 Dual-Band Wi-Fi

The system operates on dual bands: 2.4GHz and 5GHz. The 2.4GHz band offers speeds up to 300Mbps, suitable for general browsing and smart home devices. The 5GHz band provides faster speeds up to 867Mbps, ideal for HD video streaming, online gaming, and large file downloads.

I Dual-Band

5GHz ————— • 867Mbps
2.4GHz ————— • 300Mbps



Image 4.2: Illustration of dual-band Wi-Fi capabilities, highlighting 5GHz (867Mbps) and 2.4GHz (300Mbps) speeds.

4.3 Seamless Roaming and Smart Connect

With Roaming/Band Steering technology, your devices automatically connect to the fastest and strongest Wi-Fi signal as you move between rooms. Smart Connect ensures a uniform Wi-Fi name (single SSID) across both bands, simplifying network management.

4.4 Gigabit LAN Ports

Each mesh unit is equipped with Gigabit Ethernet ports, allowing for high-speed wired connections to devices such as PCs, gaming consoles, or smart TVs.

4.5 MU-MIMO and Beamforming

The system supports MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) for efficient communication with multiple devices simultaneously. Beamforming (on 5GHz) focuses the Wi-Fi signal directly towards connected devices, improving signal strength and range.

I Strong Signal

Mesh router blankets your whole home in stable, wide and fast Wi-Fi.



Image 4.3: Depiction of strong Wi-Fi signal coverage from a meross mesh router in a living room environment.

5. MAINTENANCE

To ensure optimal performance and longevity of your meross WiFi Mesh System, consider the following maintenance tips:

- **Placement:** Position the mesh units in open areas, away from obstructions like large metal objects, thick walls, or other electronic devices that may cause interference.
- **Firmware Updates:** Regularly check for and install firmware updates through the router's web interface (192.168.58.1). Updates often include performance improvements and security enhancements.
- **Cleaning:** Keep the units clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners.
- **Restart:** If you experience network issues, try restarting both mesh units by unplugging them from power for 10 seconds and then plugging them back in.

6. TROUBLESHOOTING

If you encounter issues with your meross WiFi Mesh System, refer to the following troubleshooting steps:

- **No Internet Connection:**

- Ensure your modem is working correctly and has an active internet connection.
- Verify that the Ethernet cable is securely connected between your modem and the first mesh router's WAN/LAN port.
- Check the LED indicator on the main mesh router. If it's not solid blue, refer to the setup instructions.

- **Weak Wi-Fi Signal / Dead Zones:**

- Relocate the second mesh unit closer to the area with a weak signal, ensuring it's still within good range of the first unit.
- Avoid placing units near large metal objects, microwave ovens, or cordless phones that can cause interference.
- Ensure both mesh units are powered on and their LEDs are solid blue.

- **Cannot Access Router Configuration Page (192.168.58.1):**

- Ensure your device is connected to the meross Wi-Fi network or directly to a mesh unit via Ethernet.
- Try clearing your browser's cache or using a different browser.
- Restart the mesh router and your device.

- **Slow Speeds:**

- Confirm your internet service provider (ISP) speed.
- Ensure your devices are connecting to the 5GHz band when possible for higher speeds.
- Reduce the number of active devices or bandwidth-intensive activities on your network.

7. SPECIFICATIONS

Feature	Specification
Model Name	MMW120KITUK
Brand	meross
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Wireless Communication Standard	2.4 GHz Radio Frequency, 5 GHz Radio Frequency
Max 2.4GHz Speed	300Mbps
Max 5GHz Speed	867Mbps
WLAN Coverage	Up to 300 m²
Connectivity Technology	Ethernet (Gigabit Ports)
Special Features	Access Point Mode, MU-MIMO, Smart Connect, Beamforming

Security Protocols	WPA/WPA2, DoS, Firewalls
Compatible Devices	Laptop, Personal Computer, Smart Television, Tablet
Recommended Uses	Business, Gaming, Home
Color	White
Package Dimensions	22.3 x 11.7 x 10.7 cm
Item Weight	660 g

8. SECURITY FEATURES






The meross MMW120KITUK system incorporates multiple security technologies to protect your network:

- **WPA/WPA2 Protocols:** Supports industry-standard Wi-Fi Protected Access for secure wireless connections.
- **DoS Protection:** Defense against Denial-of-Service attacks.
- **Firewalls:** Built-in firewall mechanisms to prevent unauthorized access.
- **Parental Control:** Features to manage internet access for specific devices or users.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The meross MMW120KITUK WiFi Mesh System comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

	<p>Meross MRS200 Smart Roller Shutter: Auto Calibration Required</p> <p>Important warning for Meross MRS200 Smart Wi-Fi Roller Shutter users regarding auto-calibration. Learn about the necessity of this step for accurate control, especially when using the Apple Home app, and where to find detailed instructions in the manual.</p>
 User Manual	<p>Meross MSS110 Smart Plug Mini User Manual Setup, Features, and Support</p> <p>Comprehensive user manual for the Meross MSS110 Smart Plug Mini. Learn about safety information, installation, LED rules, app setup, voice assistant integration, FAQ, warranty, and troubleshooting.</p>
 User Manual	<p>Meross Smart Plug MSS105(US) User Manual: Setup, Features, and Troubleshooting</p> <p>Get detailed instructions for your Meross Smart Plug MSS105(US). This user manual covers safety, installation, app setup, LED status, voice assistant integration, FAQ, warranty, and FCC/Canadian compliance.</p>
 User Manual	<p>Meross MSS710 Smart WiFi Switch User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the Meross MSS710 Smart WiFi Switch, covering safety, setup, operation, LED indicators, FAQ, and warranty information.</p>
 User Manual	<p>Meross Smart Plug User Manual: Setup, Features, and Troubleshooting</p> <p>Comprehensive user manual for the Meross Smart Plug, covering safety information, installation guide, LED/button rules, FAQs, and warranty details.</p>